

Amendments to the Specification:

Please replace the paragraph on page 16, line 3 with the following:

The invention also provides an device for estimating carrier frequency offset in a subscriber terminal, which corresponding to the steps shown in FIG.2, comprising a decision module for determining number of base stations, from which the subscriber terminal receives SYNC_DL signal, based on the SYNC_DL signal received by the subscriber terminal and the main path positions of the SYNC_DL signals from each base station, and then outputting the number of effective base stations and the main path position of each signal to an combining a combining module; an the combining module for multi-path combining the SYNC_DL signal from each effective base station based on the main path position of a signal , and then combining the multi-path combined SYNC_DL signal of each effective base station. The number of SYNC_DL signal in each effective base station to be combined is the number of effective base stations determined in the decision module, and then outputting the combined SYNC_DL signal to a frequency offset acquiring module; and a frequency offset acquiring module for estimating carrier frequency offset of the subscriber terminal according to the combined SYNC signals received. The device may further comprises comprise a multi-path combining module for multi-path combining the signals from each effective base station and outputting the multi-path combined signal to the combining module.

Please replace the paragraph on page 17, line 7 with the following:

UE carrier frequency offset is roughly adjusted by using the method provided by the invention. Parameters are selected as follows: $K=4$, $V_1=4$, $M=4$. The simulation outcome is shown in Figure 5. $N_{\max}=1$ indicates that the carrier frequency offset is estimated by using the SYNC signal from one base station, $N_{\max}=2$ indicates that the carrier frequency offset is estimated by using the SYNC signal from two base stations, at most, having same frequency, and $N_{\max}=3$ indicates that the carrier frequency offset is estimated by using the SYNC signal from three base stations, at most, having a same frequency. Statistic Frequency Number indicates the number of samples which fall into a predetermined range of the carrier frequency offset. It can be seen from FIG.5, when UE simultaneously receives the SYNC signals from 3 base stations having same frequency and transmission powers from each base station is not much different from each other, if the carrier frequency offset is estimated by using the SYNC signal only from

one base station ($N_{\max}=1$), then there is still about 27% of carrier frequency offset to be over 1kHz after AFC. But if the carrier frequency offset is estimated by using the SYNC signal from three base stations having same frequency, it is possible to keep the carrier frequency offset under 1kHz and the adjustment accuracy thereof will be increased greatly.

Please replace the paragraph on page 17, line 24 with the following:

In ~~summary~~ summary, the description above is only the preferred embodiments of the invention but will not limit the protection scope of the invention.